

File names and descriptions available on website (<http://mark4sun.jpl.nasa.gov>)

File name	Description
PAPERH2O.PDF	Paper description of work done and formats of tables
FIGAALL.PDF	Observed and computed spectra of H <sub>2</sub> O from 1180 to 4320 cm <sup>-1</sup>
FIGBALL.PDF	Observed and computed spectra of H <sub>2</sub> O from 4400 to 7840 cm <sup>-1</sup>
FIGFALL.PDF	Observed and computed spectra of NH <sub>3</sub> from 4060 to 6800 cm <sup>-1</sup>
SISAM.H2O	Listing of H <sub>2</sub> <sup>16</sup> O, H <sub>2</sub> <sup>17</sup> O, H <sub>2</sub> <sup>18</sup> O, HD <sup>16</sup> O, HD <sup>17</sup> O, and HD <sup>18</sup> O parameters in a format similar to HITRAN, 500-8000 cm <sup>-1</sup>
HITTOTH.H2O	Listing of H <sub>2</sub> <sup>16</sup> O, H <sub>2</sub> <sup>17</sup> O, H <sub>2</sub> <sup>18</sup> O, HD <sup>16</sup> O, HD <sup>17</sup> O, and HD <sup>18</sup> O parameters in HITRAN format, 500-8000 cm <sup>-1</sup>
LEVELS.H2O	H <sub>2</sub> <sup>16</sup> O, H <sub>2</sub> <sup>17</sup> O, and H <sub>2</sub> <sup>18</sup> O rotational energy levels with uncertainties for vibrational states that are involved in bands in the 500-8000 cm <sup>-1</sup> region
LEVELS.HDO	HD <sup>16</sup> O, HD <sup>17</sup> O, and HD <sup>18</sup> O rotational energy levels with uncertainties for vibrational states that are involved in bands in the 500-8000 cm <sup>-1</sup> region
WIDTOTH.TRA	Air-and self-broadened width coefficients and air-broadened pressure-induced frequency shifts for A-type transitions of H <sub>2</sub> O. Measured and smoothed values
WIDTOTH.TRB	Air-and self-broadened width coefficients and air-broadened pressure-induced frequency shifts for B-type transitions of H <sub>2</sub> O. Measured and smoothed values
WIDV20.TRA	Air-and self-broadened width coefficients for A-type transitions of H <sub>2</sub> O. fitted values for bands with upper state $v_2 = 0$
WIDV21.TRA	Air-and self-broadened width coefficients for A-type transitions of H <sub>2</sub> O. fitted values for bands with upper state $v_2 > 0$
WIDV20.TRB	Air-and self-broadened width coefficients for B-type transitions of H <sub>2</sub> O. fitted values for bands with upper state $v_2 = 0$
WIDV21.TRB	Air-and self-broadened width coefficients for B-type transitions of H <sub>2</sub> O. fitted values for bands with upper state $v_2 > 0$
HDOWID.AIR	Air-broadened width coefficients for transitions of HDO in then $v_2$ band. Smoothed and measured values with measured uncertainties
HDOSHFT.AIR	Air-broadened pressure-induced frequency shift coefficients for transitions of HDO in the $v_2$ band